

Serial No. Not Assigned Yet

Filing Date: 3/16/01 by Express Mail No. EL426614165US

M 18 17. (New) The method of claim 16 wherein said analyzing comprises a theoretical graphing of a plurality of points, said plurality of points corresponding to a plurality of detected current levels.

M 19 18. (New) The method of claim 16 wherein said determining comprises calculating a slope from a curve of said change of said current level.

REMARKS

This amendment is being submitted to correct a numbering error in the claims submitted on original pages 19 and 20 of the application. In particular, the amendment corrects claims 12 and 15, cancels claims 13 and 14, and presents new claims 16-18. No changes to the substance or wording in the claims is being made, but rather this amendment merely corrects the claim numbering. No new matter is being added by this preliminary amendment.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

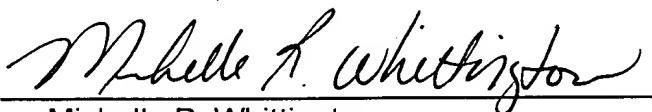
Should the Examiner wish to discuss the above in greater detail, the Examiner is invited to telephone the undersigned, at the Examiner's convenience, at the telephone number indicated below.

Respectfully submitted,

SNELL & WILMER L.L.P.

Dated: 3-21-01

By:


Michelle R. Whittington
Registration No. 43,844

Mailing Address:

SNELL & WILMER L.L.P.
One Arizona Center
Phoenix, Arizona 85004-0001
(602) 382-6275
(602) 382-6070 (FAX)

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15. (Amended) A computer program embodying instructions executable by a processing means to perform method steps for determining a compression point in an uplink power control system, the system including a control unit and an antenna unit configured to communicate with each other over a communication channel, said method steps comprising:

16. generating a signal in said control unit to produce a low level RF signal in said antenna unit;

increasing said signal strength in said control unit to produce a higher level RF signal in said antenna unit;

detecting, in said control unit, a current level in said signal;

determining, in said control unit, a first slope of a theoretical current curve created from at least two detected current levels;

determining, in said control unit, a second slope of said theoretical current curve;

comparing said first and second slopes to determine whether said second slope is greater than said first slope; and

repeating the method steps until said comparing step determines said second slope is not greater than said first slope.

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims:

Claims 13 and 24 have been cancelled.

Claims 12 and 15 have been amended as follows:

12. (Amended) The method of claim 8 wherein said determining step comprises determining a slope of a theoretical current curve comprising a plurality of current points from said detecting step.

~~A method for determining a P1db compression point of a power control system, said system having a control unit in communication with an antenna unit, in said control unit,~~

~~providing a signal to said antenna unit, said signal comprising a signal power level;~~

~~detecting a dc current level of said signal;~~

~~analyzing a change of said current level, said change corresponding to a difference between a reference point and said detected dc current level;~~

~~increasing said signal power level and repeating the above steps; and~~

~~determining an inflection point in said change of said current level, said inflection point corresponding to said P1db compression point.~~